Attorney's Docket No. <u>027545-840</u>

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Paul W. DENT

Application No.: 08/999,604

Filed: December 26, 1996

For: CALLING CHANNEL IKN A CDMA

COMMUNICATIONS SYSTEM

AUG 3 0 1999 BY

Group Art Unit: 2731

Examiner: W. Luther

SEP - 2 1999 TC 2700 MAIL ROOP

INFORMATION DISCLOSURE STATEMENT TRANSMITTAL LETTER

Assistant Commissioner for Patents Washington, D.C. 20231

Sir:

Enclosed is an Information Disclosure Statement and accompanying form PTO-1449 for the above-identified patent application.

[X] The fee of \$240.00 as set forth in 37 C.F.R. § 1.17(p) is also enclosed.

[X] A check in the amount of \$240.00 is enclosed for the fee due.

The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in triplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

By:_

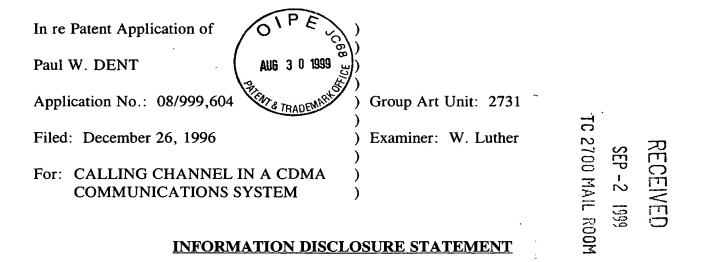
Michael A. Wrenn

Registration No. 42,237

P.O. Box 1404 Alexandria, Virginia 22313-1404 (703) 836-6620

Date: August 30, 1999

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Assistant Commissioner for Patents Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. §1.56, Applicant hereby submits the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98. Copies of the references listed below were cited in the original patent application; therefore, no copies are being supplied herewith. These references are listed herein to facilitate the publication in the reissue patent.

U.S. PATENTS:

U.S. PATENT NO.	DATE ISSUED	ISSUED TO:
4,134,071	01/1979	Ohnsorge
4,470,138	09/1984	Gutleber
4,644,560	02/1987	Torre et al.
4,697,260	09/1987	Grauel et al.
4,839,844	06/1989	Watari
4,901,307	02/1990	Gilhousen et al.

00000062 08999604

09/01/1999 SLURMG 0000 04 FC:126 (16/71)

U.S. PATENT NO.	DATE ISSUED	ISSUED TO:
4,930,140	05/1990	Cripps et al.
4,961,073	10/1990	Drapac et al.
4,984,247	01/1991	Kaufmann et al.
5,022,049	06/1991	Abrahamson et al.
5,048,059	09/1991	Dent
5,056,109	10/1991	Gilhousen et al.
5,091,942	02/1992	Dent
5,101,501	03/1992	Gilhousen et al.
5,103,459	04/1992	Gilhousen et al.
5,109,390	04/1992	Gilhousen et al.
5,127,021	06/1992	Schreiber
5,151,919	09/1992	Dent
5,164,958	11/1992	Omura
5,179,571	01/1993	Schilling

OTHER:

R.Kohno *et al.* "Adaptive Cancellation of Interference in Direct-Sequence Spread-Spectrum Multiple Access Systems," Proceedings IEEE Global Telecommunications Conference, vol. 1, pp. 630-634 (Nov. 15, 1987.

T.Masamura, "Spread Spectrum Multiple Access System with Intrasystem Interference Cancellation," Trans. of the Institute of Electronics and Communication Engineers of Japan, Section E71, No. 3, pp. 224-231 (March 1, 1988.

M.K. Varanasi *et al.*, "An Iterative Detector for Asynchronous Spread-Spectrum Multiple-Access Systems," Proceeding IEEE Global Telecommunications Conference, vol. 1, pp. 556-560 (Nov. 28, 1988).

Tzannes, N.S., Communication and Radar Systems, New Jersey; Prentice-Hall, Inc. 1985, pp. 227-239.

Information Disclosure Statement Application No. 08/999,604 Attorney's Docket No. <u>027545-840</u> Page 3

Stremler, F.G., *Introduction to Communication Systems*, Massachusetts Addison-Wesley Publishing Co., 1982, pp. 406-418.

"Introduction to Spread-Spectrum Antimultipath Techniques and Their Application to Urban Digital Radio," G. Turin, Proceedings of the IEEE, vol. 68, No. 3, Mar. 1980.

"A Communication Technique for Multipath Channels," R. Price et al., Proceedings of the IRE, Mar. 1958, pp. 555-570.

"Fading Channel Communications," P. Montes, IEEE Communications Magazine, Jan. 1980, pp. 16-25.

Proakis, JG, Digital Communications, New York: McGraw-Hill 1989, pp. 728-739.

"Origins of Spread-Spectrum Communications," Scholtz, IEEE Transactions on Communications, vol. COM-30, No. 5, May 1982, pp. 18-21.

"A Class of Low-Rate Nonlinear Binary Codes," A. Kerdock, Information and Control, vol. 20, pp. 182-187 (1972).

MacWilliams, F., *The Theory of Error-Correcting Codes, Part I and II*, New York: North-Holland, 1988, pp. 93-124, 451-465.

"Natural Dyadic, and Sequency Order Algorithms and Processors for the Walsh-Hadamard Transforms," Y. Geadah, IEEE Trans. on Computers, vol. V-26, No. 5, May 1977.

"Very Low Rate Convolutional Codes for Maximum Theoretical Performance of Spread-Spectrum Multiple-Access Channels," A. Viterbi, IEEE Journal on Selected Areas in Communications, vol. 8, No. 4, May 1990.

"On the Capacity of a Cellular CDMA System," K. Gilhousen, IEEE Trans. on Vehicular Technology, vol. 40, No. 2, May 1991.

A fee in the amount of \$240.00 is enclosed in conformance with 37 C.F.R. \$1.97(c).

Information Disclosure Statement Application No. 08/999,604 Attorney's Docket No. <u>027545-840</u> Page 4

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

By:

Michael A. Wrenn Registration No. 42,237

P.O. Box 1404 Alexandria, Virginia 22313-1404 (703) 836-6620

Date: August 30, 1999